

PKK2233.SEQ



Return to this vector's summary.

ID PKK2233 preliminary; circular DNA; SYN; 4584 BP.

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AC M77749; IG0335;

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DT 23-OCT-1991 (Rel. 6, Created)

DT 01-JUL-1995 (Rel. 12, Last updated, Version 1)

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DE E. coli plasmid vector pKK223-3 - complete.

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KW cloning vector.

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OS Cloning vector

OC Artificial sequences; Cloning vehicles.

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RN [1]

RC pKK125-1 from pKK92c-2 &amp; pKK3535 &amp; linker

RC pKK176-2, pKK176-3 from pKK125-1 &amp; linker

RC pAH1-1 from pKK125-1 &amp; pKK231-1

RC pAH3-4 from pKK176-2 &amp; pKK231-1

RC pAH4-1 from pKK176-3 &amp; pKK231-1

RC pAH7-2 from pAH1-1 &amp; linker

RC pAH9-2 from pAH3-4 &amp; linker

RC pAH10-2 from pAH4-1 &amp; linker

RC pKK278-8 from pAH1-1 &amp; pKK34-121 &amp; pKK92c-2 &amp; pKK231-1

RC pKK279-1 from pAH3-4 &amp; pKK34-121 &amp; pKK92c-2 &amp; pKK231-1

RC pKK287-12 from pAH4-1 &amp; pKK34-121 &amp; pKK92c-2 &amp; pKK231-1

RC pKK223-3 from pKK10-2 &amp; ptac11 &amp; linker &amp; pUC8

RA Brosius J., Holy A.;

RT "Regulation of ribosomal RNA promoters with a synthetic lac operator";

RL Proc. Natl. Acad. Sci. U.S.A. 81:6929-6933 (1984).

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RN [2]

RC pLC29-47 from ColE1 &amp; E.coli dehydroquinate synthase gene

RC pJB14 from pLC29-47 &amp; pKK223-3

RA Frost J.W., Bender J.L., Kadonaga J.T., Knowles J.R.;

RT "Dehydroquinate synthase from Escherichia coli: purification, cloning, and construction of overproducers of the enzyme";

RL Biochemistry 23:4470-4475 (1984).

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RN [3]

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RC from pKK series, human alpha-tubulin expression  
 RA Yaffe B.M., Levison B.S., Szasz J., Sternlicht H.;  
 RT "Expression of a human alpha-tubulin: properties of the isolated  
 RT subunit";  
 RL Biochemistry 27:1869-1880 (1988).

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RN [4]

RC from pKK223-3

RC from pKK233-2

RA Kozak M.;

RT "Comparison of initiation of protein synthesis in Prokaryotes,  
 RT Eucaryotes, and organelles";

RL Microbiological Reviews 47:1-45 (1983).

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RN [5]

RP 1-4586 (old)

RC pKK223-3

RA Gilbert W.;

RT "Obtained from VecBase 3.0";

RL Unpublished (1991).

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RN [6]

RC pKK34- series from pKK34-121

RC pKK35- series from pKK35-120

RA Kingston R.E.;

RT "Effects of deletions near Escherichia coli rrnB promoter P2 on  
 RT inhibition of in vitro transcription by guanosine tetraphosphate";  
 RL Biochemistry 22:5249-5254 (1983).

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CC GenBank entry is not current with Pharmacia entry (1993).

CC NM (pKK223-3)

CC CM (yes)

CC NA (ds-DNA)

CC TP (circular)

CC ST ()

CC TY (plasmid)

CC SP (Pharmacia)

CC HO (E.coli JM105)

CC CP ()

CC FN (expression)

CC SE ()

CC PA (pBR322) (pKK10-2) (ptacII) (pUC8)

CC BR (pKK233-2) (pKK232-8)

CC QF (pLC29-47) (pJB14)

CC OR ()

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| FT | Key          | Location/Qualifiers  |
|----|--------------|--|
| FT | misc_feature | 0..0<br>/note="1. pBR322<br>2. pKK3535<br>-> pKK5-1<br>1. pKK5-1<br>-> pKK8-18<br>1. pKK8-18<br>2. linker<br>-> pKK10-2<br>1. pKK10-2 large BamHI-HindIII 5339bp 2470..7809,<br>\ pKK3535 BamHI = 306 7809<br>\ pKK3535 HindIII = 1902 2470<br>2. ptac11 HindIII 4600bp<br>fill in<br>BamHI linker 10bp ccggatccgg:BamHI linker 10bp<br>\ ccggatccgg<br>BamHI-EcoRI 260bp, tac promoter<br>3. pUC8 EcoRI-HindIII 30bp 231..261, MCS<br>-> plasmid 5600bp<br>1. plasmid remove Pvul-BgII, amp gene/3300bp<br>2. pUC8 Pvul-BgII 1147bp 387..1534, amp gene/no PstI<br>-> pKK223-3 4584bp [unique PstI]"<br>join(4552..4584,1..11)<br>/note="MCS unique HindIII-PstI-SalI-BamHI-SmaI-EcoRI"<br>complement(11..>88)<br>/note="PRO E. coli tac (trp -35 and lacUV5 -10)"<br>443..443<br>/note="SIT SphI"<br>1945..1945<br>/note="SIT Pvull"<br>complement(0..0)<br>/note="ORI E. coli pMB1 (ColE1 and pBR322)"<br>complement(0..0)<br>/note="ANT E. coli beta-lactamase gene (bla)<br>ampicillin resistance gene (apr/amp)"<br>3613..3613<br>/note="SIT Pvul"<br>0..0<br>/note="TER E. coli rrnB gene T1"<br>0..0<br>/note="TER E. coli rrnB gene T2"<br>0..0 |

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FT

/note="GEN E. coli 5S gene"

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SQ

Sequence 4584 BP; 1042 A; 1269 C; 1191 G; 1082 T; 0 other;

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